

Patent  
Attorney's Docket No. 024444-899

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of )

John COOGAN et al. )

Application No.: [ Not Assigned ] )  
International Application PCT/SE99/02274 )

I.A. Date: December 7, 1999 )

For: METHOD FOR CORRECTING )  
POSITIONING ERRORS IN ROCK )  
DRILLING, AND A ROCK DRILLING )  
EQUIPMENT )

**BOX PCT/US**

#6/a  
11/15/01  
R11/4d

**PRELIMINARY AMENDMENT**

**BOX PCT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Prior to examination, please amend the subject application as follows.

**IN THE DESCRIPTION**

Amend the title of the invention to read

-- METHOD FOR CORRECTING POSITIONING ERRORS IN ROCK  
DRILLING, AND ROCK DRILLING EQUIPMENT --

Insert the new abstract presented herewith on a separate sheet.

Replace the original description (pages 1-7) with the enclosed substitute  
description (pages 1-9).

**IN THE CLAIMS**

Amend claims 3, 4, 5, 8, 10 and 14 as follows:

3. (Amended) A method according to claim 1, wherein the deviation of the  
boom position from the calculated theoretical position is measured as a function of  
the positions of two joints, in crossing position to one another, between the boom  
and the carrier.

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